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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	08/873,978
				Filing Date	June 12, 1997
				First Named Inventor	Kayyem
				Group Art Unit	1631
				Examiner Name	Marschel, A.
Sheet	1	of	6	Attorney Docket Number	A-63761-1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Am	A1	3,963,522	06/1976	Harada et al.	
	A2	4,683,195	07/1987	Mullis et al.	
	A3	4,713,347	12/1987	Mitchell et al.	
	A4	4,735,907	04/1988	Schaeffer et al.	
	A5	4,787,963	11/1988	MacConnell	
	A6	4,819,658	04/1989	Kolodner	
	A7	4,877,830	10/1989	Dobeli et al.	
	A8	4,882,013	11/1989	Turner et al.	
	A9	4,920,047	4/1990	Giaever et al.	
	A10	4,964,972	10/1990	Sagiv et al.	
	A11	5,015,569	05/1991	Pontius	
	A12	5,032,216	7/1991	Felten	
	A13	5,047,513	9/1991	Dobeli et al.	
	A14	5,061,336	10/1991	Soane	
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	A20	5,130,238	7/1992	Malek et al.	
	A21	5,135,627	8/1992	Soane	
	A22	5,156,810	10/1992	Ribi	
	A23	5,192,507	3/1993	Taylor et al.	
	A24	5,200,471	04/1993	Coleman et al.	
	A25	5,238,808	08/1993	Bard et al.	
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	A27	5,262,035	11/1993	Gregg et al.	
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	A29	5,320,725	06/1994	Gregg et al.	
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	A33	5,512,131	04/1996	Kumar et al.	
	A34	5,534,132	07/1996	Vreeke et al.	
	A35	5,585,646	12/1996	Kossovsky	

Examiner Signature	<i>Andi Marschel</i>	Date Considered	6-12-03
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Substitute for form 1449A/PTO (Modified)		<b>Complete if Known</b>	
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		Filing Date	June 12, 1997
		First Named Inventor	Kayyem
		Group Art Unit	1631
		Examiner Name	Marschel, A.
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Sheet	2	of	6

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AM	A36	5,591,578	01/1997	Meade et al.	
	A37	5,620,850	04/1997	Bamdad et al.	
	A38	5,622,821	04/1997	Selvin et al.	
	A39	5,631,337	5/1997	Sassi et al.	
	A40	5,632,957	5/1997	Heller et al.	
	A41	5,650,061	07/1997	Kuhr et al.	
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	A51	5,874,316	02/1999	Cornell, et al.	
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	A65	6,096,500	08/2000	Oprandy et al.	
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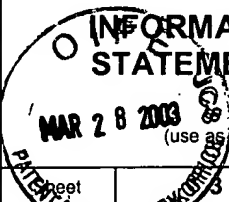
Examiner Signature	<i>Adin Marschel</i>	Date Considered	6-12-03
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AM	A71	6,197,515	03/2001	Bamdad et al.	
	A72	6,200,761	03/2001	Meade et al.	
	A73	6,207,369 B1	3/2001	Wohlstadter et al.	
	A74	6,211,356	3/13/1997	Wiessler et al.	
	A75	6,221,583	04/2001	Kayyem et al.	
	A76	6,238,870	05/2001	Meade et al.	
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	A82	6,322,979	11/2001	Bamdad et al.	
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✓	A86	20010034033 A1	10/2001	Meade et al.	

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Examiner Initials*	Cite No.	Foreign Patent Document Country Code <sup>2</sup> Number <sup>2</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
AM	B1	WO 98/57158	12/1998	Clinical Micro Sensors		
	B2	WO 97/46568 A1	12/1997	California Institute of Technology		
	B3	WO 95/35102	12/1995	Nexstar Pharmaceuticals, Inc.		
	B4	WO 98/31839 A2	07/1998	Presidents and Fellows of Harvard College		
	B5	WO 97/31256	8/1997	Cornell Research Foundation, Inc.		
	B6	WO 99/29711	6/1999	Nanogen, Inc.		
	B7	WO 98/12539 A1	03/1998	Meso Scale Technologies, LLC.		
	B8	WO 98/04740	02/1998	North Western University		
	B9	0664452 A2	07/1995	Boehringer Mannheim		
✓	B10	0668502 B1	05/2002	Yissum Research Development		

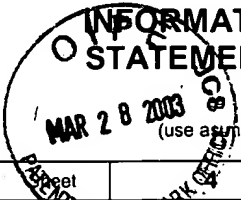
Examiner Signature	<i>A. Marschel</i>	Date Considered	6-12-03
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>3</sup>
AM	C1	Alexander, "Design and Synthesis of Macrocyclic Ligands and their Complexes of Lanthanides and Actinides," Chem. Rev. 95:273-342 (1995).	
	C2	Bain et al., "Formation of Monolayers by the Coadsorption of Thiols on Gold: Variation in the Length of the Alkyl Chain," J. Am. Chem. Soc. 111:7164-7175 (1989).	
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	C9	Colvin, et al., "Semiconductor Nanocrystals Covalently Bound to Metal Surfaces with Self-Assembled Monolayers", J. Am. Chem. Soc., 114:5221-5230 (1992)	
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	C11	Dreyer, G. B., et al., "Sequence-specific cleavage of single-stranded DNA: Oligodeoxynucleotide-EDTA X Fe(II)," Proc. Natl. Acad. Sci. USA, 82:968-972 (1985).	
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	C14	Flanagan et al., "Truncated staphylococcal nuclease is compact but disordered," Proc. Natl. Acad. Sci. USA, 89:748-52, 1992.	
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	C16	Gao et al., "Self-assembled conducting polymer monolayers of poly(3-octylthiophene) on gold electrodes," Synthetic Metals, 75:5-10 (1995).	
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Examiner Signature	<i>Andin Marschel</i>	Date Considered	6-12-03
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	C23	Kasher et al., "One-Step Purification of Recombinant Human Papillomavirus Type 16 E7 Oncoprotein and Its Binding to the Retinoblastoma Gene Product," BioTechniques 14(4): 630-641 (1993).	
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V	C42	Pearson et al., "Approach to stereochemically defined cycloheptadiene derivatives using organoiron chemistry," J. Am. Chem. Soc. 105:4483-4484 (1983).	

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of 6			

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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AM	C43	Pieken, W. A., et al., "Kinetic Characterization of Ribonuclease-Resistant 2'-Modified Hammerhead Ribozymes," Science, Vol. 253:314-317 (July 1991).	
	C44	Plaxco and Dobson, "Time-resolved biophysical methods in the study of protein folding," Curr. Opin. Struc. Biol., 630-636, 1996.	
	C45	Plaxco and Gross, "The importance of being unfolded," Nature, 386:657-659 (1979).	
	C46	Prime et al., "Adsorption of Proteins onto Surfaces Containing End-Attached Oligo(ethylene oxide): A Model System Using Self-Assembled Monolayers," J. Am. Chem. Soc., 115:10714-10721 (1993).	
	C47	Schierbaum et al., "Molecular Recognition by Self-Assembled Monolayers of Cavitand Receptors," Science, 265: 1413-1415 (September 2, 1994).	
	C48	Sebesta et al., "2'-Deoxy-2'-Alkoxyaminouridines: Novel 2'-Substituted Uridines prepared by Intramolecular Nucleophilic Ring Opening of 2, 2'-O-Anydrouridines," Tetrahedron, 52(46), 14385-14402 (Nov. 1996).	
	C49	Shnek et al., "Specific Protein Attachment to Artificial Membranes via Coordination to Lipid-Bound Copper (II)," Langmuir, 10:2382-2388 (1994).	
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	C51	Spinke et al., "Molecular Recognition at Self-Assembled Monolayers: The Construction of Multicomponent Multilayers," Langmuir 9:1821-1825 (1993).	
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	C55	Vigmond et al., "Site-Specific Immobilization of Molecularly Engineered Dihydrofolate Reductase to Gold Surfaces," Langmuir, 10:2860-2862 (1994).	
	C56	Whitesides et al., "Wet Chemical Approaches to the Characterization of Organic Surfaces: Self-Assembled Monolayers, Wetting, and the Physical-Organic Chemistry of the Solid-Liquid Interface," Langmuir, 6:87-96 (1990).	
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	C58	Xu, et al., "Immobilization of DNA on an Aluminum(III) alkaneobisphosphonate Thin Film with Electrogenenerated Chemiluminescent Detection," J. Am. Chem. Soc., 116:8386-8387 (1994).	
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